

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
28 August 2003 (28.08.2003)

PCT

(10) International Publication Number  
WO 03/071752 A1

(51) International Patent Classification<sup>7</sup>: H04L 12/56, (74) Agent: ERICSSON AB; Patent Unit Core Networks, Telefonplan/Älvsjö, S-126 25 Stockholm (SE).  
12/66, 29/06, H04Q 7/22

(21) International Application Number: PCT/SE03/00160 (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 30 January 2003 (30.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0200549.4 25 February 2002 (25.02.2002) SE

(71) Applicant (for all designated States except US): TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HULTGREN, Anders [SE/SE]; Rättarens väg 16, S-182 34 Danderyd (SE). DANIELLIND, Tomas [SE/SE]; Neptunusvägen 4, S-141 33 Huddinge (SE).

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

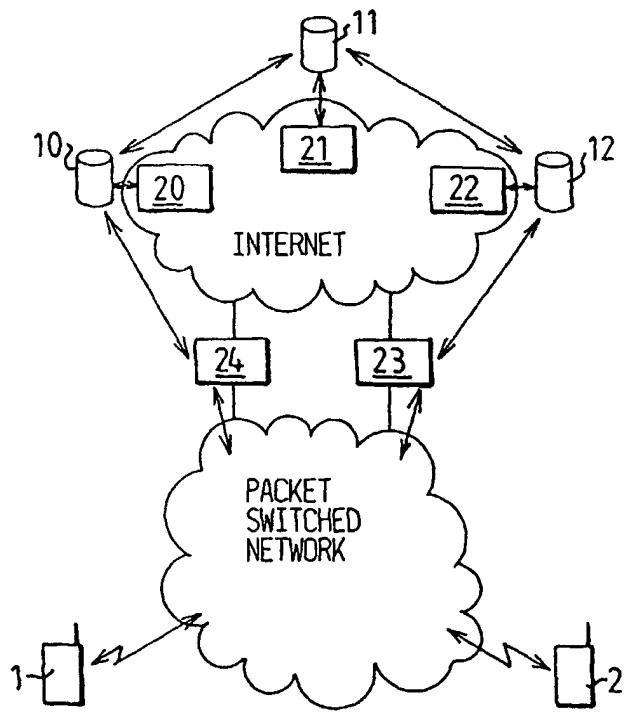
— with international search report

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR RELAYED MOBILE IP SERVICES IN A TELECOMMUNICATION SYSTEM



WO 03/071752 A1



(57) Abstract: The present invention relates to an arrangement for relayed services in a mobile telecommunication system comprising a plurality of mobile communication terminals, from which an established point-to-point connection either originates or terminates. The arrangement includes mobile communication terminals (1-5) operating in a mobile packet switched communication network, such as a third generation general packet radio service network and a global and universal interconnecting network, such as the TCP/IP-based Internet. At least one router (23, 24) bi-directionally provides a connecting bridge for transmission of data between the mobile packet switched communication network and the global and universal interconnection network and the arrangement is characterised in that at least one Internet relay mobile Voice over IP (IRMV) server (10-12) is provided in the global and universal interconnecting network, in order to enable communication between mobile communication terminals so as to avoid the need for operator interference with the established point-to-point communication.

WO 03/071752 A1



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*